



WAYNE PERRY, INC.

*Environmental Remediation, Construction and Consulting*

July 15, 2005

California Regional Water Quality Control Board  
Los Angeles Region  
320 West 4<sup>th</sup> Street, Suite 200  
Los Angeles, California 90013  
Attention: Information Technology Unit

Sent via: FedEx

**SUBJECT: SECOND QUARTER 2005 MONITORING REPORT**  
SHELL SERVICE STATION  
23387 PACIFIC COAST HIGHWAY (at Cross Creek Road)  
MALIBU, CALIFORNIA  
ORDER NO. R4-2002-0198, CI-8513  
WPI PROJECT NO. 02.313GW

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell); Wayne Perry, Inc. has prepared this report for the Shell Service Station located at 23387 Pacific Coast Highway in Malibu, California (Figure 1). All analyses were conducted at a laboratory certified for such analyses by the California Department of Health Services, and in accordance with current USEPA guideline procedures or as specified in this Monitoring Program.

#### **GROUNDWATER MONITORING PROGRAM**

On April 6, 2005, Blaine Tech Services, Inc. of San Jose, California gauged and sampled Wells MW-3, MW-5, and MW-6. Groundwater gauging, elevation, and analytical data are in Table 1. Groundwater elevation data and contours are shown on Figure 2. Copies of the Blaine Tech Services, Inc. field sheets and Calscience Environmental Laboratories, Inc. report are in Appendix A. Based on the April 6, 2005 groundwater gauging data from Wells MW-3 and MW-5, and the approximate depth of the leach field (6.5 feet), the vertical separation from the bottom of the leach field to groundwater is approximately 4 to 6 feet.

July 15, 2005  
Shell Service Station  
23387 Pacific Coast Highway, Malibu  
Page 2

## **EFFLUENT DISCHARGE MONITORING PROGRAM**

System operation, maintenance, and effluent sampling were performed by Environmental Planning & Design, LLC (EPD) of San Pedro, California. The EPD report is in Appendix B.

## **WARRANTY STATEMENT**

This report has been prepared by Wayne Perry, Inc. for the exclusive use of Shell as it pertains to the Shell Service Station located at 23387 Pacific Coast Highway in Malibu, California. Our professional services have been performed using that degree of care and skill ordinarily exercised under similar circumstances by other geologists, hydrogeologists, and engineers practicing in this field. No other warranty, express or implied, is made as to the professional advice in this report.

Groundwater gauging and sampling activities were performed by Blaine Tech Services, Inc. System operation, maintenance, and effluent sampling were performed by EPD. WPI accepts no responsibility as to the accuracy of the Blaine Tech Services, Inc. and EPD data.

If you have any questions, please contact Ms. Feryal Sarrafian of Shell at (310) 816-2216 or the undersigned at (714) 826-0352. If you have any questions regarding the Blaine Tech Services, Inc. data, please contact Mr. Francis Thei at (408) 573-0555. If you have any questions regarding the EPD data, please contact Mr. Kevin Poffenbarger at (310) 241-6565 ext. 245.

## **CERTIFICATION STATEMENT**

I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Executed on the 15 day of July 2005 at 9:00am.

Signature: Andrew J. Hart

Andrew J. Hart, P.E.  
Senior Engineer  
Wayne Perry, Inc.

July 15, 2005  
Shell Service Station  
23387 Pacific Coast Highway, Malibu  
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Attachments: Table 1, Groundwater Data

Figure 1, Site Location Map

Figure 2, Groundwater Elevation Contour Map

Appendix A, Blaine Tech Services, Inc. Field Sheets and Calscience  
Environmental Laboratories, Inc. Report

Appendix B, EPD Report

cc: Ms. Feryal Sarrafian, Shell

## **TABLE**

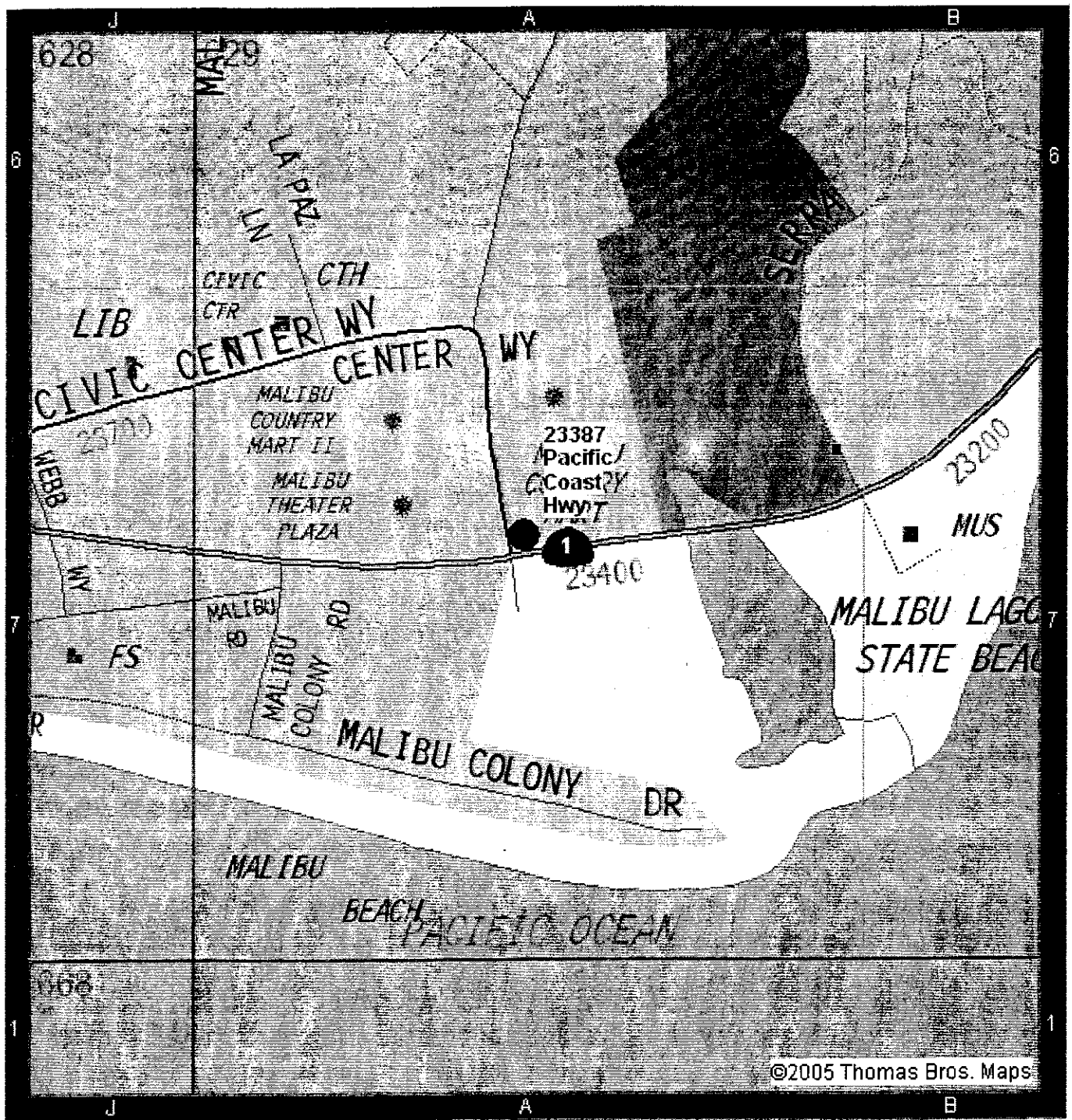
TABLE 1  
GROUNDWATER DATA  
HELL SERVICE STATION  
3387 Pacific Coast Highway, Malibu

WELL	DATE	DEPTH TO GW (feet)	SPH THICKEN. (feet)	GW ELEV. (feet relative to MSL)	WELL DEPTH (feet)	FECAL COLIFORM (MPN/100mL)	TOTAL COLIFORM (MPN/100mL)	ENTEROCOCCUS (MPN/100mL)	TDS (mg/L)	AMMONIA NITROGEN (mg/L)	NITRATE NITROGEN (mg/L)	NITRITE NITROGEN (mg/L)	ORGANIC NITROGEN (mg/L)	SULFATE (mg/L)	CHLORIDE (mg/L)	BORON (mg/L)
MW-3	04/06/05	12.40	0.00	4.81	33.62	<1.1	23.0	<1.1	820	ND<0.10	0.36	ND<0.10	ND<0.5	260	78	0.411
				Top of casing elevation (ft): 17.21												
MW-5	04/06/05	10.48	0.00	4.97	29.93	<1.1	>23.0	>23.0	1000	ND<0.10	1.1	ND<0.10	ND<0.5	370	120	0.539
				Top of casing elevation (ft): 15.45												
MW-6	04/06/05	7.53	0.00	4.83	23.95	<1.1	>23.0	1.1	920	1.3	1.8	ND<0.10	ND<0.5	320	120	0.414
				Top of casing elevation (ft): 12.36												

Notes:

- MSL - mean sea level
- MPN - most probable number
- nL - milliliters
- mg/L - milligrams per liter
- TDS - total dissolved solids
- TKN - total kjeldahl nitrogen
- ND - not detected

## FIGURES



REPRODUCED WITH PERMISSION GRANTED BY THOMAS BROS. MAPS.  
IT IS UNLAWFUL TO COPY OR REPRODUCE ALL OR ANY PART THEREOF,  
WHETHER FOR PERSONAL USE OR RESALE, WITHOUT PERMISSION.

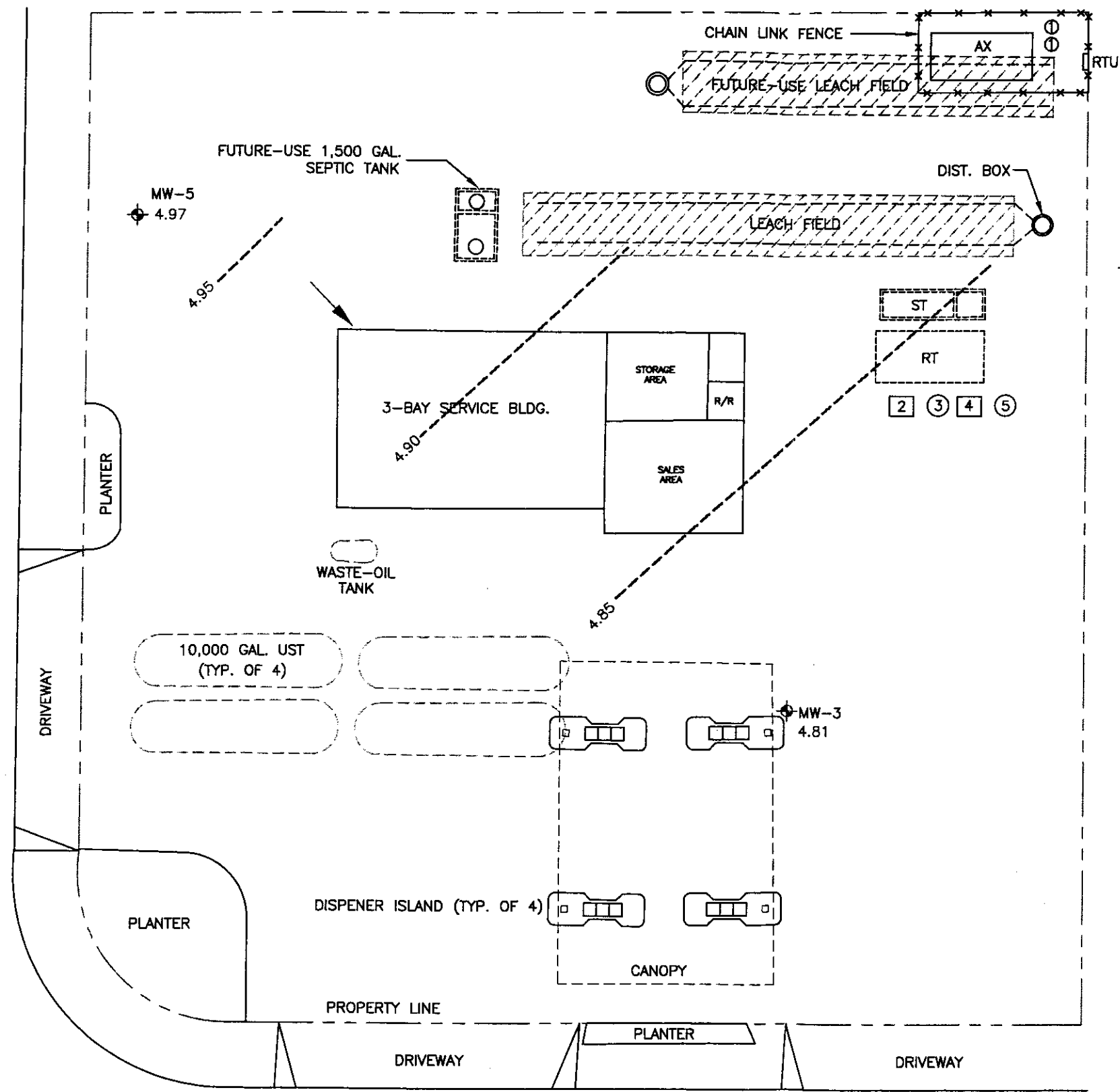


DATE
REVISED
CAD FILE 02313LM

SITE LOCATION MAP
SHELL SERVICE STATION 23387 PACIFIC COAST HIGHWAY MALIBU, CA

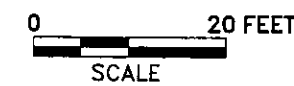
FIGURE NO. <b>1</b>
PROJECT NO. 02.313

CROSS CREEK ROAD

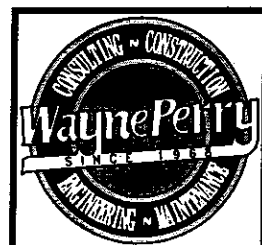


LEGEND

- MW-6 4.83
- GROUNDWATER MONITORING WELL SHOWING GROUNDWATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
- GROUNDWATER ELEVATION CONTOUR
- DIRECTION OF GROUNDWATER FLOW
- CONTOUR INTERVAL = 0.05 FOOT
- RTU REMOTE TELEMETRY CONTROL PANEL
- ST SEPTIC TANK (2,000 GALLON)
- RT RECIRCULATION TANK (5,000 GALLON)
- AX ADVANTEX TREATMENT SYSTEM
- 1 VENT FAN ASSEMBLY
- 2 CHLORINE TABLET FEEDER
- 3 CHLORINE CONTACT CHAMBER
- 4 DECHLORINATION TABLET FEEDER
- 5 PUMP VAULT



PACIFIC COAST HIGHWAY



DATE DRAWN 05/19/05	GROUNDWATER ELEVATION CONTOUR MAP APRIL 6, 2005	FIGURE NO. <b>2</b>
DRAWN BY		PROJECT NO. 02.313GW
CAD FILE 02313GW(A)	SHELL SERVICE STATION 23387 PACIFIC COAST HIGHWAY MALIBU, CA	



**APPENDIX A**

**BLAINE TECH SERVICES, INC. FIELD SHEETS AND CALSCIENCE  
ENVIRONMENTAL LABORATORIES, INC. REPORT**

# WELL GAUGING DATA

Project # 050406-2M2 Date 4/6/05 Client Shell

Site 23387 Pacific Coast Hwy Malibu

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-3	4					12.40	33.62	↓	
MW-5	4					10.48	29.93		
MW-6	4					7.53	23.95		

Page 1 of 1

Job Number 050406-ZM2 Technician Zack Mason

[illegible]

NOTES:

NO. 644987

## NON-HAZARDOUS WASTE DATA FORM

GENERATING SITE:

NOT REQUIRED

NAME SHELL OIL PRODUCTS US

23387 Pacific Coast Hwy

EPA  
I.D.  
NO.

ADDRESS P.O. BOX 7869

PROFILE  
NO.

321002-18

CITY, STATE, ZIP BURBANK, CA 91510-7869

PHONE NO. ( )

ATTN: Feryal Sarrafiah

CONTAINERS: No.

VOLUME

120 gals

WEIGHT

TYPE:

☐ TANK  
TRUCK☐ DUMP  
TRUCK☐ DRUMS☐ CARTONS☐ OTHERWASTE DESCRIPTION NON-HAZARDOUS GROUNDWATER  
COMPONENTS OF WASTE PPM %GENERATING PROCESS PURGED GROUNDWATER  
COMPONENTS OF WASTE PPM %

1. WATER 99-100%

5. SAP #

2. TPH &lt;1%

6. INCIDENT #

N/A

3.

7.

4.

8. BESI #

PROPERTIES:

pH 7-10

☐ SOLID☒ LIQUID☐ SLUDGE☐ SLURRY☐ OTHER

HANDLING INSTRUCTIONS: 24-HOUR EMERGENCY PHONE (800) 424-9300

THE GENERATOR CERTIFIES THAT THE  
WASTE AS DESCRIBED IS 100%  
NON-HAZARDOUS.Zack Mason  
Zack Mason

(On behalf of SOP US)

DATE

TYPED OR PRINTED FULL NAME &amp; SIGNATURE

NAME NIETO AND SONS TRUCKING, INC. TRANSPORTER

EPA  
I.D.  
NO.

ADDRESS 1281 BREA CANYON ROAD Blaine Tech Services, Inc.

SERVICE ORDER NO.

CITY, STATE, ZIP BREA, CALIFORNIA 92821 20755 Delatrow Avenue  
Carson, Ca 90746  
(310) 885-4455

PICK UP DATE

PHONE NO. (714) 990-6855

TRUCK, UNIT, I.D. NO.

TYPED OR PRINTED FULL NAME &amp; SIGNATURE

DATE

NAME D/K ENVIRONMENTAL

EPA  
I.D.  
NO.ADDRESS 3650 E. 26<sup>TH</sup> STREET

DISPOSAL METHOD

CITY, STATE, ZIP LOS ANGELES, CA 90023

☐ LANDFILL ☐ OTHER

PHONE NO. (323) 268-5056

TYPED OR PRINTED FULL NAME &amp; SIGNATURE

DATE

GEN	OLD/NEW	L	A	TONS
TRANS		S	B	
C/O		RT/CD	HWDF	NONE

DISCREPANCY

TO BE COMPLETED BY GENERATOR

TRANSPORTER

TSD FACILITY

# SHELL WELL MONITORING DATA SHEET

BTS #: 050406-2M2	Site: 23387 PCH Malibu
Sampler: 2M	Date: 4/6/05
Well I.D.: MW-3	Well Diameter: 2 3 ④ 6 8
Total Well Depth (TD): 33.62	Depth to Water (DTW): 12.40
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.64	

Purge Method:

Bailer	Waterra
Disposable Bailer	Peristaltic
Positive Air Displacement	Extraction Pump
Electric Submersible	Other _____

Sampling Method:

Bailer
Disposable Bailer
Extraction Port
Dedicated Tubing

<u>13.7</u>	(Gals.) X	<u>3</u>	=	<u>41.1</u>	Gals.
1 Case Volume		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
1036	69.3	7.3	1320	181	14	
1039	69.5	7.0	1331	13	28	
1041	69.5	7.0	1328	7	42	

Did well dewater? Yes ☒ No ☐ Gallons actually evacuated: 42

Sampling Date: 4/6/05 Sampling Time: 1140 Depth to Water: 12.40

Sample I.D.: MW-3 Laboratory: CalScience Columbia Other           

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other See Saw

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Time \_\_\_\_\_ Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

# SHELL WELL MONITORING DATA SHEET

BTS #: 050406-2M2	Site: 23387 PCH Malibu
Sampler: 2M	Date: 4/6/05
Well I.D.: MW-5	Well Diameter: 2 3 ④ 6 8
Total Well Depth (TD): 29.93	Depth to Water (DTW): 10.48
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.37	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <u>Electric Submersible</u>	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
---	--	--

$\frac{12.6}{1} \text{ (Gals.)} \times \frac{3}{\text{Specified Volumes}} = \frac{37.8}{\text{Calculated Volume}} \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> • 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> • 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> • 0.163														

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
1021	68.8	7.8	1765	412	13	
1024	68.3	7.2	1657	220	26	
1026	68.2	7.1	1640	57	38	

Did well dewater? Yes <u>No</u>		Gallons actually evacuated: 38	
Sampling Date: 4/6/05		Sampling Time: 1120	Depth to Water: 10.48
Sample I.D.: MW-5		Laboratory: CalScience Columbia Other _____	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) <u>Other See SOW</u>			
EB I.D. (if applicable): @ Time		Duplicate I.D. (if applicable):	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:			
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

# SHELL WELL MONITORING DATA SHEET

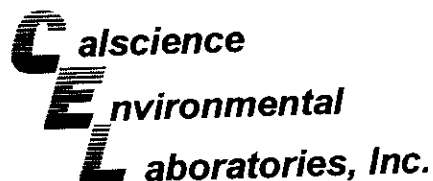
BTS #: 050406-ZM2	Site: 23387 P.C.H. Malibu
Sampler: ZM	Date: 4/6/05
Well I.D.: MW-6	Well Diameter: 2 3 4 6 8
Total Well Depth (TD): 23.95	Depth to Water (DTW): 7.53
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.81	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <u>Electric Submersible</u>	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
---	--	--

$10.6 \text{ (Gals.)} \times 3 = 31.8 \text{ Gals.}$ 1 Case Volume      Specified Volumes      Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <u>uS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
1050	69.8	7.3	1463	335	11	
1052	70.0	7.0	1464	71	22	
1054	69.4	7.0	1452	30	32	

Did well dewater? Yes <u>NO</u>	Gallons actually evacuated: 32	
Sampling Date: 4/6/05	Sampling Time: 1200	Depth to Water: 7.59
Sample I.D.: MW-6	Laboratory: <u>CalScience</u>	Columbia Other _____
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5)	<u>Other: See SOW</u>	
EB I.D. (if applicable): @ Time	Duplicate I.D. (if applicable):	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5)	Other:	
D.O. (if req'd): Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge: mV



April 13, 2005

Nick Sudano  
Blaine Tech Services, Inc  
20735 Belshaw Avenue  
Carson, CA 90746-3509

Subject: **Calscience Work Order No.: 05-04-0242**  
Client Reference: **23387 Pacific Coast Highway, Malibu, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/6/2005 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read 'Don Burley', is written over the printed name.

Calscience Environmental  
Laboratories, Inc.  
Don Burley  
Project Manager



# Analytical Report

**LABORATORY ID: 05-04-0242**
**Method: SM 4500-N(org)B**  
**Matrix: Water/Aqueous**
**CLIENT:** Blaine Tech Services, Inc.  
**PROJECT:** 23387 Pacific Coast Highway, Malibu, CA

Results		
Sample ID	Total Organic Nitrogen (mg/L)	Dilution Factor
MW-3	ND	1
MW-5	ND	1
MW-6	ND	1
Method Blank	ND	1

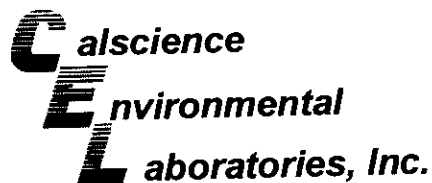
**Date Analyzed:** 04/11/05  
**Reporting Limit:** 0.5

## Quality Assurance and Control Information

Duplicate Sample ID:	MW-3	Sample Conc.	Duplicate Conc.	RPD (%)	RPD Control Limits
Total Nitrogen		ND	ND	NA	0-25

## Laboratory Notes

**Key:** ND=Not Detected at the reporting level, NA=Not applicable



## Analytical Report

Blaine Tech Services, Inc  
20735 Belshaw Avenue  
Carson, CA 90746-3509

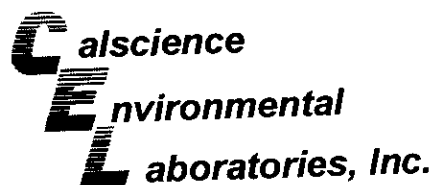
Date Received: 04/06/05  
Work Order No: 05-04-0242  
Preparation: EPA 3010A Total  
Method: EPA 6010B

Page 1 of 1

Project: 23387 Pacific Coast Highway, Malibu, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-3	05-04-0242-1	04/06/05	Aqueous	04/07/05	04/08/05	050407L02
<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	
Boron	0.411	0.020	1		mg/L	
MW-5	05-04-0242-2	04/06/05	Aqueous	04/07/05	04/08/05	050407L02
<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	
Boron	0.539	0.020	1		mg/L	
MW-6	05-04-0242-3	04/06/05	Aqueous	04/07/05	04/08/05	050407L02
<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	
Boron	0.414	0.020	1		mg/L	
Method Blank	097-01-003-4,735	N/A	Aqueous	04/07/05	04/08/05	050407L02
<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	
Boron	ND	0.0200	1		mg/L	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report

Blaine Tech Services, Inc  
20735 Belshaw Avenue  
Carson, CA 90746-3509

Date Received:  
Work Order No:

04/06/05  
05-04-0242

Page 1 of 2

Project: 23387 Pacific Coast Highway, Malibu, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-3	05-04-0242-1	04/06/05	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total Dissolved	820	1.0	1		mg/L	N/A	04/07/05	EPA 160.1
Chloride	78	20	20		mg/L	N/A	04/11/05	EPA 300.0
Nitrite (as N)	ND	0.10	1		mg/L	N/A	04/07/05	EPA 300.0
Nitrate (as N)	0.36	0.10	1		mg/L	N/A	04/07/05	EPA 300.0
Sulfate	260	50	50		mg/L	N/A	04/11/05	EPA 300.0
Ammonia	ND	0.10	1		mg/L	N/A	04/11/05	EPA 350.2

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-5	05-04-0242-2	04/06/05	Aqueous

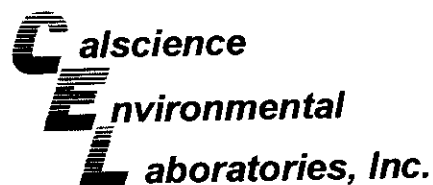
Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total Dissolved	1000	10	1		mg/L	N/A	04/07/05	EPA 160.1
Chloride	120	20	20		mg/L	N/A	04/11/05	EPA 300.0
Nitrite (as N)	ND	0.10	1		mg/L	N/A	04/07/05	EPA 300.0
Nitrate (as N)	1.1	0.1	1		mg/L	N/A	04/07/05	EPA 300.0
Sulfate	370	50	50		mg/L	N/A	04/11/05	EPA 300.0
Ammonia	ND	0.10	1		mg/L	N/A	04/11/05	EPA 350.2

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-6	05-04-0242-3	04/06/05	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total Dissolved	920	1.0	1		mg/L	N/A	04/07/05	EPA 160.1
Chloride	120	20	20		mg/L	N/A	04/11/05	EPA 300.0
Nitrite (as N)	ND	0.10	1		mg/L	N/A	04/07/05	EPA 300.0
Nitrate (as N)	1.8	0.1	1		mg/L	N/A	04/07/05	EPA 300.0
Sulfate	320	50	50		mg/L	N/A	04/11/05	EPA 300.0
Ammonia	1.3	0.1	1		mg/L	N/A	04/11/05	EPA 350.2

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL: (714) 895-5494 • FAX: (714) 894-7501



## Analytical Report

Blaine Tech Services, Inc  
20735 Belshaw Avenue  
Carson, CA 90746-3509

Date Received:  
Work Order No:

04/06/05  
05-04-0242

Project: 23387 Pacific Coast Highway, Malibu, CA

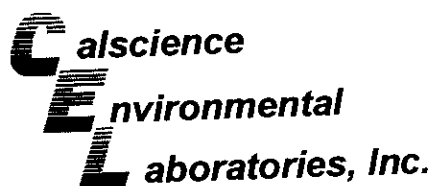
Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix
Method Blank		N/A	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	ND	1.0	1		mg/L	N/A	04/06/05	EPA 300.0
Nitrite (as N)	ND	0.10	1		mg/L	N/A	04/06/05	EPA 300.0
Nitrate (as N)	ND	0.10	1		mg/L	N/A	04/06/05	EPA 300.0
Sulfate	ND	1.0	1		mg/L	N/A	04/06/05	EPA 300.0
Ammonia	ND	0.10	1		mg/L	N/A	04/11/05	EPA 350.2

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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## Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc  
20735 Belshaw Avenue  
Carson, CA 90746-3509

Date Received:  
Work Order No:  
Preparation:  
Method:

04/06/05  
05-04-0242  
EPA 3010A Total  
EPA 6010B

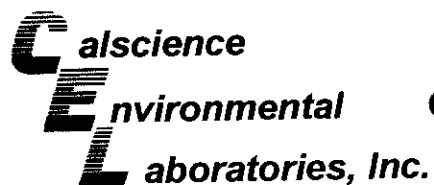
Project 23387 Pacific Coast Highway, Malibu, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
05-03-2032-1	Aqueous	ICP 3300	04/07/05	04/08/05	050407S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Boron	99	101	80-120	2	0-20	

RPD - Relative Percent Difference, CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL: (714) 895-5494 • FAX: (714) 894-7501

**Quality Control - Spike/Spike Duplicate**

Blaine Tech Services, Inc  
20735 Belshaw Avenue  
Carson, CA 90746-3509

Date Received:  
Work Order No:

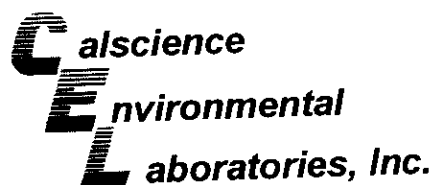
N/A  
05-04-0242

Project: 23387 Pacific Coast Highway, Malibu, CA

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control</u> <u>Sample ID</u>	<u>Date</u> <u>Analyzed</u>	<u>Date</u> <u>Extracted</u>	<u>MS%</u> <u>REC</u>	<u>MSD %</u> <u>REC</u>	<u>%REC</u> <u>CL</u>	<u>RPD</u>	<u>RPD</u> <u>CL</u>	<u>Qualifiers</u>
Chloride	EPA 300.0	05-04-0206-8	04/07/05	N/A	106	106	50-150	0	0-25	
Nitrite (as N)	EPA 300.0	05-04-0206-8	04/07/05	N/A	101	99	50-150	1	0-25	
Nitrate (as N)	EPA 300.0	05-04-0206-8	04/07/05	N/A	99	99	50-150	1	0-25	
Sulfate	EPA 300.0	05-04-0206-8	04/07/05	N/A	104	103	50-150	0	0-25	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Duplicate

Blaine Tech Services, Inc  
20735 Belshaw Avenue  
Carson, CA 90746-3509

Date Received:  
Work Order No:

N/A  
05-04-0242

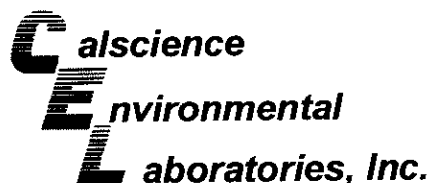
Project: 23387 Pacific Coast Highway, Malibu, CA

Matrix: Aqueous

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Ammonia	EPA 350.2	05-04-0201-1	04/11/05	130	130	1	0-25	
Solids, Total Dissolved	EPA 160.1	05-04-0309-4	04/07/05	2500	2600	4	0-25	

RPD - Relative Percent Difference , CL - Control Limit

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## Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc  
20735 Belshaw Avenue  
Carson, CA 90746-3509

Date Received: N/A  
Work Order No: 05-04-0242  
Preparation: EPA 3010A Total  
Method: EPA 6010B

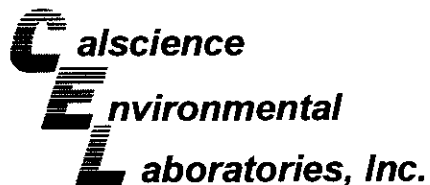
Project: 23387 Pacific Coast Highway, Malibu, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-003-4,735	Aqueous	ICP 3300	04/07/05	04/08/05	050407L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Boron	93	93	80-120	0	0-20	

RPD - Relative Percent Difference, CL - Control Limit





## Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc  
20735 Belshaw Avenue  
Carson, CA 90746-3509

Date Received:  
Work Order No:

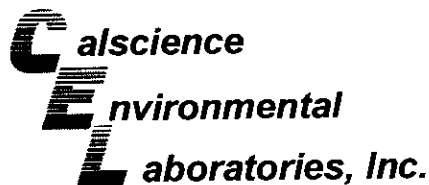
N/A  
05-04-0242

Project: 23387 Pacific Coast Highway, Malibu, CA

Matrix: Aqueous

Parameter	Method	Quality Control Sample ID	Date Extracted	Date Analyzed	LCS % REC	LCSD % REC	%REC CL	RPD	RPD CL	Qual
Chloride	EPA 300.0	099-05-118-2,651	N/A	04/06/05	97	97	80-120	0	0-25	
Nitrite (as N)	EPA 300.0	099-05-118-2,651	N/A	04/06/05	102	101	80-120	0	0-25	
Nitrate (as N)	EPA 300.0	099-05-118-2,651	N/A	04/06/05	98	98	80-120	0	0-25	
Sulfate	EPA 300.0	099-05-118-2,651	N/A	04/06/05	101	101	80-120	0	0-25	

RPD - Relative Percent Difference, CL - Control Limit



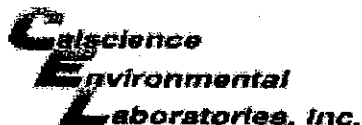
## Glossary of Terms and Qualifiers

Work Order Number: 05-04-0242

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

A handwritten signature in black ink, appearing to be "M. J. ...", is located at the bottom left of the page.





WORK ORDER #:

05 - 04 - 0242

Cooler 1 of 1**SAMPLE RECEIPT FORM**CLIENT: BLAINE - TECHDATE: 04-06-05**TEMPERATURE – SAMPLES RECEIVED BY:****CALSCIENCE COURIER:**

- ☐ Chilled, cooler with temperature blank provided.  
☐ Chilled, cooler without temperature blank.  
☒ Chilled and placed in cooler with wet ice.  
☐ Ambient and placed in cooler with wet ice.  
☐ Ambient temperature.

33 °C Temperature blank.**LABORATORY (Other than Calscience Courier):**

- ☐ °C Temperature blank.  
☐ °C IR thermometer.  
☐ Ambient temperature.

Initial: VB**CUSTODY SEAL INTACT:**Sample(s): \_\_\_\_\_ Cooler: \_\_\_\_\_ No (Not Intact) : \_\_\_\_\_ Not Applicable (N/A): 1Initial: VB**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples.....	<u>/</u>		
Sample container label(s) consistent with custody papers.....	<u>/</u>		
Sample container(s) intact and good condition.....	<u>/</u>		
Correct containers for analyses requested.....	<u>/</u>		
Proper preservation noted on sample label(s).....	<u>/</u>		
VOA vial(s) free of headspace. ....	<u>/</u>		
Tedlar bag(s) free of condensation.....			<u>/</u>

Initial: VB**COMMENTS:**


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**SILLIKER, Inc.**  
**Southern California Laboratory**

1139 East Dominguez, Suite I  
 Carson, CA 90746  
 310/ 637 7121 Fax 310/ 637 2953

**CERTIFICATE OF ANALYSIS**

COA No:	SCA-30607960-0
Supersedes:	None
COA Date	4/10/05
Page 1 of 1	

**TO:**

Mr. Don L. Burley  
 Project Manager  
 Calscience Environmental Laboratories  
 7440 Lincoln Way  
 Garden Grove, CA 92841-1432

Received From:	Garden Grove, CA
Received Date:	4/6/05
P.O.# / ID:	05-04-0242
Location of Test: (except where noted) Carson, CA	

**Analytical Results**

<b>Desc. 1:</b> MW-3	<b>Desc. 4:</b> Matix: W	<b>Laboratory ID:</b> 303421573
<b>Desc. 2:</b> Date:04/06/05	<b>Desc. 5:</b> #Containers:2	<b>Condition Rec'd:</b> NORMAL
<b>Desc. 3:</b> Time:1140		<b>Temp Rec'd (°C):</b> 13.1
<b>Analyte</b>	<b>Result Units</b>	<b>Method Reference Test Date Loc.</b>
Coliforms - 10X10 ml MPN	23.0 /100mL	SMEWW 19th ed 9221 B 4/10/05
Enterococci - 10X10 ml MPN	<1.1 /100mL	SMEWW, 19th ed. 4/9/05
Fecal Coliforms-10X10 ml MPN	<1.1 /100mL	SMEWW 19th ed 9221 E 4/10/05
<b>Desc. 1:</b> MW-5	<b>Desc. 4:</b> Matix: W	<b>Laboratory ID:</b> 303421579
<b>Desc. 2:</b> Date:04/06/05	<b>Desc. 5:</b> #Containers:2	<b>Condition Rec'd:</b> NORMAL
<b>Desc. 3:</b> Time:1120		<b>Temp Rec'd (°C):</b> 13.1
<b>Analyte</b>	<b>Result Units</b>	<b>Method Reference Test Date Loc.</b>
Coliforms - 10X10 ml MPN	>23.0 /100mL	SMEWW 19th ed 9221 B 4/10/05
Enterococci - 10X10 ml MPN	>23.0 /100mL	SMEWW, 19th ed. 4/9/05
Fecal Coliforms-10X10 ml MPN	<1.1 /100mL	SMEWW 19th ed 9221 E 4/10/05
<b>Desc. 1:</b> MW-6	<b>Desc. 4:</b> Matix: W	<b>Laboratory ID:</b> 303421580
<b>Desc. 2:</b> Date:04/06/05	<b>Desc. 5:</b> #Containers:2	<b>Condition Rec'd:</b> NORMAL
<b>Desc. 3:</b> Time:1200		<b>Temp Rec'd (°C):</b> 13.1
<b>Analyte</b>	<b>Result Units</b>	<b>Method Reference Test Date Loc.</b>
Coliforms - 10X10 ml MPN	>23.0 /100mL	SMEWW 19th ed 9221 B 4/10/05
Enterococci - 10X10 ml MPN	1.1 /100mL	SMEWW, 19th ed. 4/9/05
Fecal Coliforms-10X10 ml MPN	<1.1 /100mL	SMEWW 19th ed 9221 E 4/10/05

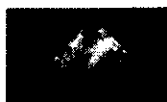
*Vidhya Gangar*  
 Vidhya Gangar, M.S. Laboratory Director

Time:

THE

10/20/04 Revision:

**APPENDIX B**  
**EPD REPORT**



## **Environmental Planning & Design, LLC**

**411 N. Harbor Blvd, Ste 304, San Pedro, CA 90731**

**Phone (310) 241.6565 Fax (310) 241.6566**

July 14, 2005

California Regional Water Quality Control Board

320 W. 4<sup>th</sup> Street, Suite 200

Los Angeles, CA 90013

(213)576-6600

FAX (213)576-6640

**Attn: Information Technology Unit**

### **2<sup>nd</sup> QUARTER 2005 QUARTERLY REPORT APRIL -- JUNE**

#### **MONITORING AND REPORTING PROGRAM NO. CI-8513 CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD LOS ANGELES REGION**

**EQUILON ENTERPRISES, LLC  
(Malibu Shell, 23387 Pacific Coast Highway @ Cross Creek Rd.)  
File No. 01-143  
Order No. R4-2002-0198**

### **SECTION II. SEPTIC DISPOSAL SYSTEM EFFLUENT MONITORING REQUIREMENTS**

The subject system was put into service on August 20, 2004. Attachments show daily flow for the quarter, and an analysis of effluent sampled June 24.

Per the referenced Order, quarterly reports are required which shall contain the following information in Section II:

1. Average and maximum daily waste flow for each month of the quarter, in gallons per day. The control panel was not properly recording pump operating time between 4/13 and 5/7. We have assumed average flow for these days when calculating monthly total.

**4/1/05 – 4/30/05**

Average daily waste flow = 241 gallons per day

Maximum daily waste flow = 338 gallons per day

**5/1/05 – 5/31/05**

Average daily waste flow = 251 gallons per day

Maximum daily waste flow = 534 gallons per day

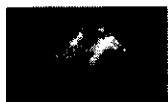
**6/1/05 – 6/30/05**

Average daily waste flow = 247 gallons per day

Maximum daily waste flow = 436 gallons per day

Daily flows are presented in Attachment 1.





## Environmental Planning & Design, LLC

### 2. Estimated population served during each month of the reporting period.

4/1/05 – 4/30/05

Total waste flow = 7244 gallons @ 5gpd/user = 1448 users

5/1/05 – 5/31/05

Total waste flow = 7783 gallons @ 5gpd/user = 1556 users

6/1/05 – 6/30/05

Total waste flow = 7416 gallons @ 5gpd/user = 1483 users

### 3. Results of at least monthly observations in the disposal area for any overflow or surfacing of wastes.

The disposal area was observed once every two weeks, minimum, throughout the reporting period. There was never any indication of overflow or surfacing of wastes.

### 4. Sample Analysis

All constituents tested were within limits in a sample collected on June 24, 2005. The lab inadvertently did not test for fecal coliform, an omission noticed as this report was being written. An amended report will be provided by July 28 with the missing test result. The report on the June 24 sample is provided as Attachment 2.

Constituent	Units	Limit	Result
Total flow average	gal/day	-	248
BOD	mg/L	30	12
Total suspended solids	mg/L	30	13
Fecal coliform	MPN/100 mL	200	TBD
Enterococcus	MPN/100 mL	24	17.9
Residual Chlorine	mg/L	-	0.14

### CERTIFICATION STATEMENT

I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Regards,

Kevin Poffenbarger  
Principal  
(310) 241-6565 x245

Attachment 1: Flow Data

Attachment 2: PatChem Laboratories 6/24/05 Wastewater Analysis

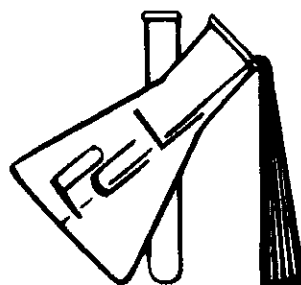
### Attachment 1. Daily Flow

Date	Gallons	Date	Gallons	Date	Gallons
6/30/2005	260	5/31/2005	534	4/30/2005	-
6/29/2005	173	5/30/2005	442	4/29/2005	-
6/28/2005	259	5/29/2005	259	4/28/2005	-
6/27/2005	436	5/28/2005	172	4/27/2005	-
6/26/2005	348	5/27/2005	261	4/26/2005	-
6/25/2005	267	5/26/2005	173	4/25/2005	-
6/24/2005	172	5/25/2005	173	4/24/2005	-
6/23/2005	355	5/24/2005	261	4/23/2005	-
6/22/2005	173	5/23/2005	350	4/22/2005	-
6/21/2005	261	5/22/2005	172	4/21/2005	-
6/20/2005	352	5/21/2005	263	4/20/2005	-
6/19/2005	352	5/20/2005	262	4/19/2005	-
6/18/2005	268	5/19/2005	263	4/18/2005	-
6/17/2005	173	5/18/2005	173	4/17/2005	-
6/16/2005	176	5/17/2005	173	4/16/2005	-
6/15/2005	260	5/16/2005	351	4/15/2005	-
6/14/2005	260	5/15/2005	260	4/14/2005	-
6/13/2005	349	5/14/2005	175	4/13/2005	-
6/12/2005	261	5/13/2005	176	4/12/2005	255
6/11/2005	262	5/12/2005	173	4/11/2005	261
6/10/2005	262	5/11/2005	173	4/10/2005	338
6/9/2005	175	5/10/2005	174	4/9/2005	171
6/8/2005	173	5/9/2005	262	4/8/2005	169
6/7/2005	173	5/8/2005	350	4/7/2005	256
6/6/2005	261	5/7/2005	-	4/6/2005	169
6/5/2005	173	5/6/2005	-	4/5/2005	172
6/4/2005	261	5/5/2005	-	4/4/2005	338
6/3/2005	173	5/4/2005	-	4/3/2005	255
6/2/2005	173	5/3/2005	-	4/2/2005	257
6/1/2005	173	5/2/2005	-	4/1/2005	255
		5/1/2005	-		
<b>Max</b>		<b>Max</b>	<b>534</b>	<b>Max</b>	<b>338</b>
<b>Min</b>		<b>Min</b>	<b>172</b>	<b>Min</b>	<b>169</b>
<b>Average</b>		<b>Average</b>	<b>251</b>	<b>Average</b>	<b>241</b>
<b>Total</b>		<b>Total*</b>	<b>7783</b>	<b>Total*</b>	<b>7244</b>

**Average for quarter = 248 gpd**

calculated using 55 gpm

\* Because flow data is missing for 4/13 through 5/7, we have estimated monthly flow by assuming that flow was the monthly average on these days.



Attachment 2

**PAT-CHEM LABORATORIES**

11990 Discovery Ct. • Moorpark, CA 93021 • Ph. (805) 532-0012 • Fax (805) 532-0016

Customer: **Environmental Planning & Design**  
411 N. Harbor Blvd  
San Pedro CA, 90731

Page 1 of 1

Attention: Kevin Poffenberger  
Report Date: 14-Jul-05 05:46  
Subject: Water Samples

Project/P.O.#: Shell Station

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
<b>Wastewater - Shell (Sample I.D.# : 0506334-01) Collected: 24-Jun-05 By L.Lara Of PCL</b>						
Biochemical Oxygen Demand	EPA 405.1	AF52418	5	29-Jun-05 (CW)	12 mg/l	
Residual Chlorine	EPA 330.5	AF52420	0.02	24-Jun-05 (NM)	0.14 mg/l	
Total Suspended Solids	EPA 160.2	AF52710	5	27-Jun-05 (CW)	13 mg/l	
Enterococcus	SM 9230B	AF52405	1.0	25-Jun-05 (JV)	17.9 MPN/100 ml	
Total Coliforms	SM 9223B	AF52405	1	25-Jun-05 (JV)	308 MPN/100 ml	
E. Coli	SM 9223B	AF52405	1	25-Jun-05 (JV)	18 MPN/100 ml	

**Notes and Definitions**

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis

Respectfully Submitted,

Pat Brueckner  
Laboratory Director

7/14/2005

## CHAIN OF CUSTODY RECORD

Phone (805) 532-0012  
Fax (805) 532-0016

**Sample I.D.#:-**

0506334

Customer Name		P.O.#		Project Location					
Address		Phone #		Sampled by					
City, State, Zip		Report Attention		Bottle Type					
Lab #	Date Sampled	Time Sampled	Comp or Grab	Type **see below	SAMPLE DESCRIPTION	No. Rec.	Required Tests	Preservatives	Bottle Type
62405	1235		5	A	waste water	1	BOD		
						1	TSS		
						1	coliform tnf		
						1	enterococcus		
						1	res. chlorine		
Signature		Print Name		Company		Date	Time	pH:	
Relinquished by								Temperature:	
Received by								Initial Flow:	
Relinquished by								Final Flow:	
Received by									

\*\* Type: AQ = aqueous NA = Nonaqueous SL = Sludge

SO = Soil PE = Petroleum OT = Other

Note: Samples are discarded 30 days after results are

Customer Name: Environmental Planning + Design

Address: 411 N. Harbor Blvd. #250

City, State, Zip: San Pedro 90731

Report Attention: Kevin Poffenberger

Phone #: 310.241.6565

Sampled by: L. Lara

Composite Sampler Setup Date: / / Composite Sampler Setup Time: :